BRUHAT BANGALORE MAHANAGARA PALIKE
EXCECUTIVE ENGINEER DASARAHALLI PROJECT DIVISION

Name of work: Improvements to Ashwathkatte Near Mallikarjuna Swamy Temple in Mallasandra Ward No. 13 Shettyhalli Sub Division

JOB NUMBER.:

Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Sl-09 Est. Amount = 20.00 Rate in Rs.	Lakhs Amount in Rs.
1	KSRB 2-2.2 : Earthwork excavation for foundation of buildings, water supply, sanitary lines and electrical conduits either in pits or in trenches1.5m and above in width, in hard soil not exceeding 1.5 m. in depth including dressing the bottom and sides of pits and trenches, stacking the excavated soil clear from edges of excavation with lead upto 50 m.after breaking of clods complete as per specifications,specification. No. KBS 2.1(b)/2:3.5 (I.tm No.2.4, P.No.5, SR:2016-17)								
	Ashwatha Katte								
	Footing Foundation	Cum							
	Cobble Stone		1	39.00	1.80	2.10	147.42		
			1	12.50	3.50	0.30	13.13		
						Total Qty	160.55	405.64	65123.47
2	KSRB 4-1.2 : Providing and laying in position plain cement concrete of cum mix 1:3:6 with OPC cement @ 220kgs, with 40mm and down size graded granite metal coarse aggregates @0.892cum and fine aggregates @ 0.465cum machine mixed, machine mixed, concrete laid in layers not exceeding 15 cms. thick, well compacted, in foundation including cost of all materials, labour, HOM of machinery, curing complete as per specifications. Specification No. KBS 4.1, 4.2 (I.tm No.4.2, P.No.12, SR:2016-17)								
	Ashwatha Katte								
	Footing for Wall	Cum	1	39.00	1.80	0.15	10.53		
	Floor		1	12.50	6.50	0.15	12.19		
	Cobble Stone		1	12.50	3.50	0.10	4.38		
	Deduction					Total Qty	27.09		
	Trea Girth Area		1	3.50	2.00	0.15	1.05		
						Total Qty	26.04	5449.68	141923.29
3	KSRB 4.2.1: Providing and laying in position reinforced cement concrete of Design mix M25 with OPC cement @ 340kgs, with 20mm and down size graded granite metal coarse aggregates @0.70 cum and fine aggregtes @ 0.47cum, with super piasticisers @ 3 liters confirming to IS 9103-1999 reafirmed-2008 at machine mixed, concrete laid in layers not exceeding 15 cms thick, vibrated for all works in foundation for footings, pedastals, retaining walls, return walls, walls (any thickness) including attached pilasters, columnspiliars, posts, struts, buttresses, bed blocks, anchor blocks & plinths etc., including cost of all materials, labour, HOM of machinery, curing, complete but excludingcost of reinforcement as per specifications.Specification No. KBS Specification No. KBS 4.1 4.64.1,4.6(I.tm No.4.10, P.No.13, SR:2016-17)								
	Ashwatha Katte								
	Footing	Cum	1	39.00	1.60	0.40	24.96		
	Wall		1	39.00	0.30	2.70	31.59		
	Side of Cobble Stone		1	20.00	0.20	0.20	0.80		
						Total Qty	57.35	6718.68	385316

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
4	KSRB 2.3: Filling available excavated earth (excluding rock) in sides cum of foundations upto plinth in layers not exceeding 20 cms. in depth, compacting each deposited layer by ramming after watering with lead upto 50 m. and lift upto 1.5 m. including cost of all labour complete as per specifications. Specification. No. KBS 2.9 (I.tm No.2.10, P.No.6, SR:2016-17)								
	Ashwatha Katte								
	50% of Total Earth Excavation	Cum					80.27		
						Total Qty	**80.27**	**137.16**	**11010.18**
5	KSRB 5.2-2 : Providing and constructing granite / trap / basalt size stone masonry in foundation with cement mortar 1:8, stone hammerd dressed in courses not less than 20 cms high, bond stones at 2m. apart in each course including cost of materials, labour, curing complete as per specifications. KBS 5.1.13 (I. No.-5.5, P. No.-23, SR:2016-17)								
	Ashwatha Katte								
	Steps	Cum	1	1.50	1.40	0.15	0.32		
			1	1.20	1.40	0.15	0.25		
			1	0.90	1.40	0.15	0.19		
			1	0.60	1.40	0.15	0.13		
			1	0.30	1.40	0.15	0.06		
						Total Qty	**0.95**	**4359.96**	**4120.16**
6	KSRB 4-6.1 : Providing and removing centering, shuttering, strutting, propping etc., and removal of form work for foundations, footings, bases of columns for mass concrete including cost of all materials, labour complete as per specificaitons. Specification No. KBS 4.6.2 (I.tm No.4.28, P.No.15, SR:2016-17)								
	Ashwatha Katte								
	Footing	Sqm	2	39.00		0.50	39.00		
	Wall		2	39.00		2.80	218.40		
						Total Qty	**257.40**	**249.48**	**64216.15**
7	KSRB 4.9.2 : Providing T.M.T steel reinforcement for R.C.C work including straightening, cutting, bending, hooking, placing in position, lapping and / or welding wherever required, tying with binding wire and anchoring to the adjoining members wherever necessary complete as per design (laps, hooks and wastage shall not be measured and paid) cost of materials, labour, HOM of machinery complete as per specifications. Specification No. KBS 4.6.3 TMT bars Fe 500 (I.tm No.4.46.2, P.No.17, SR:2016-17)								
	Ashwatha Katte								
	Steel	Tonne							
	For One Cum 80Kgs Qty Item No 3		1	4.59			4.59		
						Total Qty	**4.59**	**65455.56**	**300310.11**
8	KSRB 2.5 : Earthwork excavation in all soil deposits and filling sides of foundation upto plinth in layers not exceeding 20cms. in depth, compacting each deposited layer by ramming after watering with all lead and lift including cost of all labour complete as per specifications, specification. (I. No. 2.12, P. No.- 06, SR:2016-17)								
	Ashwatha Katte								
	Floor	cum	1	12.50	6.50	1.70	138.13		
						Total Qty	**138.13**	**374.32**	**51,70**

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Sl. No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
9	Providing and laying flooring using prepolished, water cut/gang saw 19mm thick granite laid with a bed of 20mm thick 1:4 cm & jointed with neat cement slurry mixed with pigment to mach shade of granite slabs including laying POP on finished surface and cleaning the surface, including the cost of all materials, mortar and labours etc., complete as per specificationsusing silver grey granite / Multy Red / Ruby Red I Black / Hassan SqmGreen Granite of width not less than 1200mm (I.tm No.14.47.1, P.No.107, SR:2016-17)								
	Ashwatha Katte	Sqm							
	Floor		1	12.50	6.50		81.25		
	Steps								
	Tread		5	1.40	0.30		2.10		
	Riser		6	1.40	0.20		1.68		
						Total Qty	**85.03**		
	Deduction								
	Tree Girth		1	3.50	2.00		7.00		
						Total Qty	**7.00**		
						Total Qty	**78.03**	**2828.52**	**220709.42**
10	Providing and fixing 20mm thick gang saw water cut LAKARED granite for cladding in CM 1:4 proportion with a coat of rough plastering using CM 1:4, cut to required shape, pattern with paper joints, finished with cement mortar using white cement and colour pigments to match the colour of slab making through jointing with sealant, grooves in joints including cost of curing etc., complete including cost and conveyance of all materials, mortar, labour for all items of work, HOM of equipment etc., complete as per specification. (I. No.-14.60, P. No.- 109, SR: 2016-17)								
	Ashwatha Katte	Sqm							
	Side wall		1	39.00	1.50		58.50		
	Steps								
	Side		2	0.5*1.2*1.0			1.20		
						Total Qty	**59.70**	**3990.60**	**238238.82**
11	Providing and fixing 304 - grade stainless steel hand rails of 14-gauge pipes for Ramps staircase made out of stainless steel hallow pipes, using 50mm dia for verticals @1.60 mtr c/c fixed tot he ramps or steps by drilling with bolts and 100mm dia MS base plates 10mm gauge for fixing of Vertical pipes 4 - Nos anchor bolts & 40mm dia pipes fixed horizontally for 2-rows top, one pipes fixed with vertical pipes another one fixed with elbows and 25mm dia pipes are fixed horizontally for 2-rows below top measure @ equal intervals including cutting, welding, bending wherever necessary with suitable caps @ tops, bottoms & corners finishing with mat / shining etc., complete including cost and conveyance of all materials, labour for all items ofwork, HOM of equipment with all lead and lift, loading and unloading, transportation charges and all other incidental charges etc., complete as per specification and directions of the Engineer-in-charge of the work. Ramps or Staircase for physically challenged..(P.No-43 ,I No-7.39. S.R: 2016-17)								
	Ashwatha Katte	Sqm							
	Hand Railing		1	39.00		1.00	39.00		
	Floor		2	1.80		1.00	3.60		
	Steps		2	3.50		1.00	7.00		
	In Side of Cobble Stone					**Total Qty**	**49.60**	**6286.68**	**311819.33**
12	Providing full nosing for 20mm thick granite slab using required machinery including cost and conveyance of all materials, labour for all items of work, HOM of equipment etc., complete as per specification. (I. No.- 14.55, P. No.- 108, SR : 2016-17)								
	Ashwatha Katte	M							
	Floor		1	39.00			39.00		
	Steps								
	Treads		5	1.20			6.00		
	Tread Side		8	0.30			2.40		
						Total Qty	**47.40**	**257.04**	**12,183.70**

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Sl No	Description of Work	Unit	No	Dimension L	Dimension B	Dimension D	Quantity	Rate in Rs.	Amount in Rs.
13	SRB 14.6-1: Providing and laying heavy duty cobble stones 60mm thick interlock pavers, using cement and course sand for manufacture of blocks of approved size, shape and colour with a minimum compressive strength of 281 kg per sqm over 50mm thick sand bed (average thickness) and compacting with plate vibrator having 3 tons compaction force thereby forcing part of sand underneath to come up in between joints, final compaction of paver surface jpints into its final level, including cost of materials, labour and HOM of machineries complete as per specifications. (I. No.- 14.6, P. No.-101, SR:2016-17)								
	Ashwatha Katte	Sqm	1	12.50	3.50		43.75		
						Total Qty	43.75	984.96	43,092.00
								Total Constrution cost	18,49,765.87
								Design Report,Proof Checking & PMC Amount	36,995.32
								Tender Premium 6%	1,10,985.95
								Sub Total	19,97,747.14
								Miscellaneous & Rounding Off	2,252.86
								Grand Total	20,00,000.00

Certificate:-

1. The work spot was inspected and work is found to be necessary.
2. The area comes within the Bruhat Bangalore Mahanagara Palike Limits.
3. The rates adopted based on the PWD SR Bangalore Circle for year 2016-17
4. The provisions made in the estimate are necessary and essential.

SRI SAI CONSULTANTS * BANGALORE-90 *

Consultants
For Sri Sai Consultants

Assistant Engineer
~~Ward No-13~~
BBMP - Bangalore

Assistant Executive Engineer
Dasarahalli Project Division
BBMP - Bangalore

Executive Engineer
Dasrahalli Project Division
BBMP - Bangalore

ನಂ: 35/17-18 ದಿನಾಂಕ: 15/12/2017
ರೂ: 20,00,000/- twenty Lakhs only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ಆಡಳಿತಾತ್ಮಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತರು
ಯೋಜನಾ ವಿಭಾಗ
ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬಿಬಿಎಂಪಿ.

ನಂ: 05/17-18 ದಿನಾಂಕ: 20/12/2017
ರೂ: 20,00,000/- Twenty Lakhs only
ಗಳ ಅಂದಾಜು ಪಟ್ಟಿಗೆ ತಾಂತ್ರಿಕ ಮಂಜೂರಾತಿ ನೀಡಿದೆ.
ಕಾರ್ಯಪಾಲಕ ಅಧಿಯಂತರು
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ದಾಸರಹಳ್ಳಿ ವಲಯ, ಬಿಬಿಎಂಪಿ.

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